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PATENT
Docket No. 290.0001 0101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Regnier et al.) Group Art Unit: 1641
Serial No.: 09/849,924) Examiner: Tran
Filed: 4 May 2001) Confirmation No.: 8955

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For: AFFINITY SELECTED SIGNATURE PEPTIDES FOR PROTEIN
IDENTIFICATION AND QUANTIFICATION

IN RE KATZ DECLARATION UNDER 37 C.F.R. § 1.132

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Fred E. Reginer, Ph.D., declare and say as follows:

1. I am the sole inventor of the subject matter of claims 1-32, presently pending in the above-identified U.S. Patent Application Serial No. 09/849,924, filed May 4, 2001. I hereby make this Declaration in support of the patentability of claims 1-32 of Application Serial No. 09/849,924.
2. I received a Ph.D. in Chemistry 1965 from Oklahoma State University in Stillwater, OK, and a B.S. in Chemistry from Nebraska State College, Peru, NE. From 1965-1968 I worked as a Post-Doctoral Associate at Oklahoma State University, the University of Chicago, Chicago, IL, and Harvard University, Cambridge, MA. I joined Purdue University in 1968 as Assistant Professor of Biochemistry, was appointed Professor of Biochemistry in 1976, and have been Professor of Chemistry at Purdue University since 1990. My research activities presently focus on chromatographic and mass spectrometric advances in proteomics, and also "chemistry-on-a-chip" technologies. I have been a member of the editorial boards of a number of scientific journals, and have published



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over 200 papers on these and related topics.

3. I have read and am thoroughly familiar with the Office Action mailed October 22, 2002, in the above-identified matter.
4. I am a co-author of Geng et al., *J. Chromatog. A*, 2000; 870(1-2):295-313 (Geng et al.), a publication cited by the Examiner in the October 22, 2002, Office Action. I have read and am thoroughly familiar with Geng et al.
5. I am the sole inventor of subject matter presently claimed in and/or commonly disclosed in U.S. Pat. App. Ser. No. 09/640,952 and in Geng et al.
6. Minghui Geng and Junyan Ji are the other co-authors of Geng et al. Ming Geng joined my laboratory at Purdue University as a Ph.D candidate in 1994 and worked on projects involving, among other things, separation of "signature peptides" using affinity chromatography. Junyan Ji joined my laboratory at Purdue University as a Ph.D candidate in 1995. She learned mass spectrometry while in my laboratory, isotopically labeling proteins and peptides for mass spectrometric analysis, and performed mass spectrometric analysis of the labeled proteins. Both students worked under my direct control and supervision. They were not inventively involved in the development of this method.
7. I declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so

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made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

March 19, 2003

Date

By:

Fred E. Regnier
Fred E. Regnier, Ph.D.